

IN THE ABSTRACT

- Please replace the Abstract as filed with the following:

ABSTRACT OF THE INVENTION

QUERY INTERFACE TO POLICY SERVER

An exemplary scalable access filter that is used together with others like it in a virtual private network to control access by users at clients in the network to information resources provided by servers in the network is disclosed. Each access filter ~~[[use]]~~ uses a local copy of an access control data base (3845) to determine whether an access request is made by a user. Each user belongs to one or more user groups and each information ~~ressource~~ resource belongs to one or more information sets. Access is permitted or denied according to access policies, which define access in terms of the user groups and information sets. The first access filter in the path performs the access check, encrypts and authenticates the request; the other access filters in the path do not repeat the access check. The interface used by applications to determine whether a user has access to an entity is now an SQL query. The policy server (3811) assembles the information needed for the response to the query from various information sources, including source external to the policy server.